

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("vybarnear2260").PN.	USPAT; USOCR	OR	OFF	2006/11/23 15:15
L2	47	vybar near2 "260"	US-PGPUB; USPAT	AND	ON	2006/11/23 15:16
L3	44488	pressure same sensitive same adhesive	US-PGPUB; USPAT	AND	ON	2006/11/23 15:16
L4	0	I3 same I2	US-PGPUB; USPAT	AND	ON	2006/11/23 15:16
L5	0	PSA same I2	US-PGPUB; USPAT	AND	ON	2006/11/23 15:17
L6	0	vybar same I3	US-PGPUB; USPAT	AND	ON	2006/11/23 15:17



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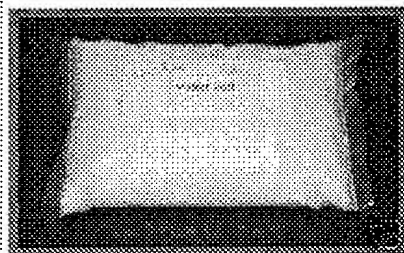
Listed in category: [Crafts](#) > [Candle & Soap Making](#) > [Other Candle & Soapmaking](#)

## Vybar 260 Alpha Olefin Polymer 1 lb.

Item number: 8265660414

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**Ships to:** Worldwide  
**Item location:** Star, North Carolina, United States  
**Quantity:** 9 available  
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### Description (revised)

Seller assumes all responsibility for listing accuracy.

#### Item Specifics - Item Condition

**Condition:** New

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## **Vybar 260 alpha olefin polymer 1 lb.**

The material is offered in pellets (pastilles) which are packaged in a heat sealed polyethylene bag.

### **Availability and Shipping:**

This product is currently in stock and available for immediate shipment. We check placement frequently and work hard to assure shipment in the minimum time. Typical able to to ship this item within 72 hours following payment. In rare cases (largel on order volumes) shipment time may extend to 5 days. If you need this item urgent contact us following placement of the order. We will be glad to expedite delivery way possible and keep you informed regarding order status.

The buyer is responsible for all shipping costs (as determined at the time of purc

### **Product description and useful information:**

Vybar 260 polymer is a wax-like material prepared through the polymerization (chem joining together) of unsaturated hydrocarbons. The polymerization reaction and che carefully controlled to yield a molecular structure comprising highly branched (hyperbranched) chains. Resultant Vybar molecules, if you could see them, would lo something like a ball of lint rather than a straight piece of thread (as would be for more linear polymers such as high density polyethylene). Owing to this molecu structure, this Vybar has many useful properties.

From a purely physical standpoint, Vybar 260 is a relatively hard wax-like materia easily takes on a shiny gloss and exhibits clam shell fracturing when broken. It m temperature of 54 degrees C (130 degrees F) to a consistency similar to that of mi In general, the material has a pale amber color with a distinctive hydrocarbon odo

Due to its highly branched polyolefin structure, this material mixes and binds wel hydrocarbons, including paraffinic waxes and oils. Importantly, when blended with waxes such as paraffin, bulky Vybar 260 molecules tend to limit or inhibit wax crystallization. As a result, this Vybar is used to modify waxes in several im ways. First, since this material tends to reduce the degree of crystallization in blend, it lowers overall contraction experienced with hardening from the melt. Sec Vybar binds well to most hydrocarbon substances, while inhibiting crystallization to cause incorporated to bleed/separate, Vybar 260 is often used to bind and stabi various oily substances within wax formulations (such as fragrances and oil in sla Finally, in altering the crystal structure of waxes, this Vybar typically increase formulation opacity and, thus, is often used as an alternative to stearic acid.

Vybar 260 forms true solutions in many organic solvents (including mineral spirits tolulene, and hexane) and may be used to form various types of liquid polishes, et solubility also makes applied finishes relatively easy to clean and strip. Vybar 2 insoluble in polar solvents such as isopropyl alcohol, acetone, and cyclohexanol.

Vybar 260 forms stable/compatible blends with most non-polar resins and waxes incl paraffin waxes, microcrystalline waxes, aliphatic resins, hydrogenated resin esters resins, and BPPD Polywax saturated polyethylenes. Vybar 260 is generally incompati more polar resins such as oxidized polyethylene, oxidized petroleum wax, and ethyl acetate copolymers with greater than 18 percent vinyl acetate content.

In industry, Vybar 260 is very commonly used in many (if not most) candle wax form improve shrink, retention of fragrances, opacity/color vividness, gloss, dispersio strength, and flow. Many typical industrial candle wax formulations incorporate Vy

levels up to a few percent by weight. Vybar 260 is also used, in much greater proportion, many specialty waxes used for blocking (holding) ophthalmic lenses during processing, other hard waxes employed in manufacturing. This shiny hard resin is also found in polishes, especially for use on stone, monuments, and terrazzo surfaces (especially buffing may be used to produce a high gloss finish).

For crafts, hobbies, art, and general experimentation, Vybar 260 is an extremely useful material. Its low melt point makes it ideal for easy application while it produces a hard and shiny result. For candle crafters, incorporation of this polymer in wax formulations yields professional results.

Vybar 260 polymer is considered safe for use in adhesive formulations at any concentration under CFR 175.105 and may be used at up to 5 percent by weight in petroleum and synthetic waxes for food packaging under 21 CFR 178.3710 and 21 CFR 178.3720. 21 CFR 176.170 and 176.180 provide limitations for use at certain temperatures and in certain foods.

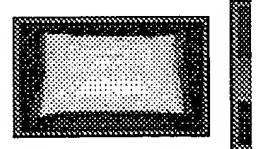
#### Typical Physical Properties:

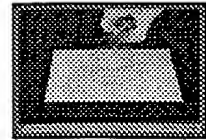
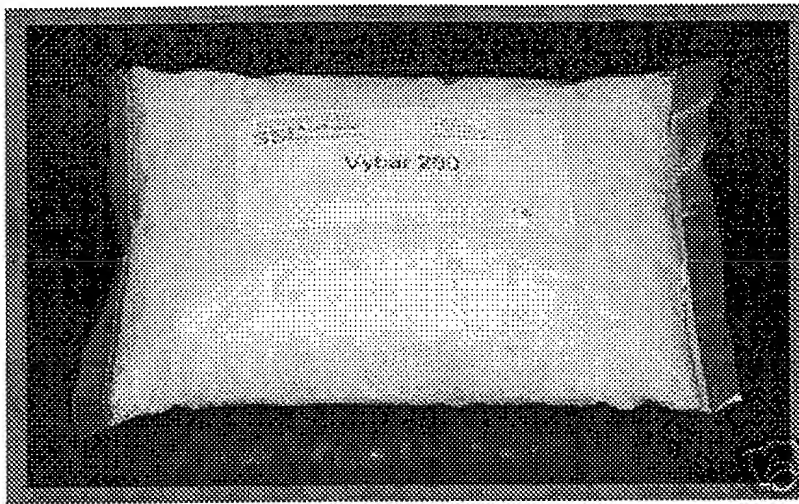
- Melting Point ASTM D-36 (mod.) .....130 F (54 C)
- Viscosity 150 F (65.6 C) ASTM .....D-3236 915 cP
- Viscosity 210 F (98.9 C) ASTM .....D-3236 350 cP
- Viscosity 250 F (121 C) ASTM .....D-3236 185 cP
- Viscosity 300 F (149 C) ASTM .....D-3236 106 cP
- Penetr. 0.1 mm 77 F (25 C) ASTM .....D-1321 13
- Penetr. 0.1 mm 110 F (43 C) ASTM .....D-1321 110
- Molecular Weight (Mn) .....GPC 2600
- Polydispersity (Calculated) .....GPC 18
- Density 75 F (24 C) ASTM .....D-1168 0.90 g/cm<sup>3</sup>
- Density 200 F (93 C) ASTM .....D-1168 0.79 g/cm<sup>3</sup>
- Color ASTM .....D-1500

#### Conditions of Purchase and Disclaimer:

Buyer is advised that this product is not sold for any regulated use involving the foods, drugs, cosmetics, or medical devices. Although we guarantee the chemical purity and quality of this product insofar as it will be replaced should it not meet any product specifications provided, we do not certify, warrant, or represent that this product complies with any regulation governing use in foods, cosmetics, drugs, or medical devices. The buyer is responsible for the safe and legal use of this product. Buyer is advised to read and understand the MSDS for this product prior to use. As a condition of purchase, buyer assumes all liability and responsibility for any damage that may result from the use, misuse, storage, disposal, or other consequence arising from the product (even to the extent the product may prove defective) and forever releases the seller from any claim associated with the product.

Select a picture





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### Shipping, payment details and return policy

See item description or contact seller for details

#### Shipping insurance

Optional (based on location and shipping service)

#### Seller's payment instructions

We prefer PayPal. Orders are typically shipped within 72 hours following payment. In rare cases, shipment time is 5 business days. If you need this item urgently please contact us following placement of the order. We will be glad to deliver in every way possible, and keep you informed regarding order status.

### Payment methods accepted

 This seller, ehslvsts, prefers PayPal.



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Vybar 260 Alpha Olefin Polymer 1 lb.

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Your Quantity: x

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